

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 6,861,239 B1
DATED : February 8, 2005
INVENTOR(S) : Blumenberg et al.

Page 1 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title page,

Item [56], **References Cited**, U.S. PATENT DOCUMENTS, please add the following:

-- 5,908,836	06/1999	Bar-Shalom.....	514/53
5,916,880	06/1999	Bar-Shalom.....	514/53
5,939,457	08/1999	Miser.....	514/557
5,939,082	08/1999	Oblong.....	424/401
5,962,534	10/1999	Gudas.....	514/690 --.

OTHER PUBLICATIONS, please add the following:

--Zhuang et al., "Molecular Mechanism of Ultraviolet-Induced Keratinocyte Apoptosis," *Journal of Interferon and Cytokine Research*, vol. 20, 2000, pp 445-454.
Assefa et al., "Differential Stimulation of ERK and JNK Activities by Ultraviolet B Irradiation and Epidermal Growth Factor in Human Keratinocytes," vol. 108, no. 6, June 1997, pp 886-890.
Kligman et al., "The Nature of Photoaging: Its Prevention and Repair," *Photodermatology*, vol. 3, 1986, pp 215-227.
Lavker et al., "Aged Skin: A Study by Light, Transmission Electron, and Scanning Electron Microscopy," *The Journal of Investigative Dermatology*, vol. 88, no. 3, 1987, 44s-51s.
Lavker et al., "Structural Alterations in Exposed and Unexposed Aged Skin," *The Journal of Investigative Dermatology*, vol. 73, no. 1, pp 59-66.
Gilchrest, "Skin and Aging Process," 1984, CRC Press, Inc.
Derijard et al., "JNK1: A Protein Kinase Stimulated by UV Light and Ha-Ras that Binds and Phosphorylates the c-Jun Activation Domain," *Cell*, vol. 76, March 25, 1994, pp 1025-1037.
Kyriakis et al., "The Stress-Activated Protein Kinase Subfamily of c-Jun Kinases," *Nature*, vol. 369, May 12, 1994, pp 156-160.
Rosette et al., "Ultraviolet Light and Osmotic Stress: Activation of the JNK Cascade Through Multiple Growth Factor and Cytokine Receptors," *Science*, vol. 274, Issue 5290, Nov. 15, 1996, pp 1194-1197.
Cavigelli et al., "The Tumor Promoter Arsenite Stimulates AP-1 Activity by Inhibiting a JNK Phosphatase," *EMBO J.* vol. 15, no. 22, 1996, pp 6269-6279.
Kaltunki et al., "c-Jun Can Recruit JNK to Phosphorylate Dimerization Partners via Specific Docking Interactions," *Cell*, vol. 87, November 29, 1996, pp 929-939.
Fanger et al., "MEKKs, GCKs, MLKs, PAKs, TAKs and Tpls: Upstream Regulators of the c-Jun Amino Terminal Kinases," *Oncogenes and Cell Proliferation*, pp 67-74.
Devary et al., "NFkB Activation by Ultraviolet Light Not Dependent on a Nuclear Signal," *Science*, vo. 261, September 10, 1993, pp 1441-1445.
Simon et al., "UVB Light Induces NFkB Activity Independently From Chromosomal DNA Damage in Cell-Free Cytosolic Extracts," *The Society for Investigative Dermatology*, vol. 102, no. 4, April 1994, pp 422-427.
Li et al., "Ionizing Radiation and Short Wavelength UV Activate NFkB Through Two Distinct Mechanisms," *Proc. Natl. Acad. Sci. USA*, vol. 95, Issue 22, October 27, 1998, pp 13012-13017.
Garmyn et al., "Immediate and Delayed Molecular Response of Human Keratinocytes to Solar-Stimulated Irradiation," *Laboratory Investigation*, vol. 65, no. 4, 1991, pp 471-478.
Abts et al., "Analysis of UVB-modulated Gene Expression in Human Keratinocytes by mRNA Differential Display Polymerase Chain Reaction," *Photochemistry and Photobiology*, vol. 68, no. 3, 1997, pp 363-367.
Eler, "Photodamage," Blackwell, 1995, pp 26-56.

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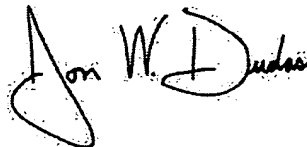
It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title page (cont'd),

- Lockhart et al., "Expression Monitoring by Hybridization to High-Density Oligonucleotide Arrays," *Nature Biotechnology*, vol. 14, December 1996, pp 1675-1680.
- Johnston et al., "Gene Chips: Array of Hope for Understanding Gene Regulation," *Current Biology*, vol. 8, 1998, pp R171-R174.
- Scherf et al., "A Gene Expression Database for the Molecular Pharmacology of Cancer," *Nature Genetics*, vol. 24, March 2000, pp 236-244.
- Ross et al., "Systematic Variation in Gene Expression Patterns in Human Cancer Cell Lines," *Nature Genetics*, vol. 24, March 2000, pp 227-235.
- Welford et al., "Detection of Differentially Expressed Genes in Primary Tumor Tissues Using Representational Difference Analysis Coupled to Microarray Hybridization," *Nucleic Acids Research*, vol. 26, no. 12, 1998, pp 3059-3065.
- Alon et al., "Broad Patterns of Gene Expression Revealed by Clustering Analysis of Tumor and Normal Colon Tissues Probed by Oligonucleotide Arrays," *Proc. Natl. Acad. Sci. USA*, vol. 96, issue 12, June 8, 1999, pp 6745-6750.
- Golub et al., "Molecular Classification of Cancer: Class Discovery and Class Prediction by Gene Expression Monitoring," *Science*, vol. 286, October 15, 1999, pp 531-537.
- Fambrough et al., "Diverse Signaling Pathways Activated by Growth Factor Receptors Induce Broadly Overlapping, Rather Than Independent Sets of Genes," *Cell* vol. 97, June 11, 1999, pp 727-741.
- Galitski et al., "Ploidy Regulation of Gene Expression," *Science*, vol. 285, July 9, 1999, pp 251-253.
- Lee et al., "Gene Expression Profile of Aging and its Retardation by Caloric Restriction," *Science*, vol. 285, August 27, 1999, pp. 1390-1392.
- Ly et al., "Mitotic Misregulation and Human Aging," *Science*, vol. 287, March 31, 2000, pp 2486-2492.
- Harkin et al., "Induction of GADD45 and JNK/SAPK-Dependent Apoptosis Following Inducible Expression of BRCA1," *Cell*, vol. 97, May 28, 1999, pp 575-586.
- Jelinsky et al., "Global Response of *Saccharomyces cerevisiae* to an Alkylating Agent," *Proc. Natl. Acad. Sci. USA*, vol. 96, issue 4, February 16, 1999, pp 1486-1491.
- Kligman et al., "Photoaging," *Fitzpatrick's Dermatology in Medicine*, 1999, McGraw Hill, pp 1717-1721.
- Bennett et al., *Geneseq Database*, Accession No. AAT03098, February 1996.--

Signed and Sealed this

Thirtieth Day of August, 2005



JON W. DUDAS
Director of the United States Patent and Trademark Office